



JP-1645 #4

Docket No.: 20516 US (C38435/111694)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Tatsuo HOSHINO, et al.

Serial No.: 09/727,855

Filed: December 1, 2000

Examiner: not yet assigned

Art Unit: 1645

For: **PROCESS FOR THE MANUFACTURE
OF CAROTENOIDS AND
BIOLOGICALLY USEFUL
MATERIALS THEREOF**

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April 2, 2001

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Applicants wish to make of record the following documents (clean copies and
Form PTO-1449 are enclosed).

FOREIGN PATENT DOCUMENTS

B1	WO 94/06918
B2	WO 97/23633
B3	JP 10-248575
B4	EP 0 769 551 A1

OTHER DOCUMENTS

C2	Derwent English Language Abstract of JP 10-248575 (document B3)
C3	Wery, J. et al., "Structural and Phylogenetic Analysis of the Actin Gene from the Yeast <i>Phaffia rhodozyma</i> ," <u>Yeast</u> , Vol. 12, pp. 641-651 (1996)
C4	Wery, J. et al., "High copy number integration into the ribosomal DNA of the yeast <i>Phaffia rhodozyma</i> ," <u>Gene</u> , 184, pp. 89-97 (1997)
C5	Shimada, H. et al., "Increased Carotenoid Production by the Food Yeast <i>Candida utilis</i> through Metabolic Engineering of the Isoprenoid Pathway,"

Appl. & Env. Microbiol. Vol. 64, No. 7, pp. 2676-2680 (1998)

- C6 Croxen, R. et al., "Isolation of an *Ustilago maydis* gene encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase and expression of a C-terminal-truncated form in *Escherichia coli*," Microbiology, Vol. 140, pp. 2363-2370 (1994)
- C7 Martinez, C. et al., "Genetic transformation of astaxanthin mutants of *Phaffia rhodozyma*," Antonie van Leeuwenhoek, Vol. 73, pp. 147-153 (1998)

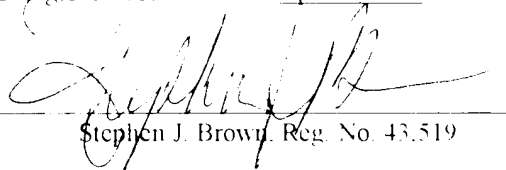
Applicants request that these documents be considered by the Examiner before issuance of a first office action on the merits and made of record in this file. The Examiner is also asked to initial and return a copy of the enclosed PTO-1449 form to evidence such consideration.

This Information Disclosure Statement is being filed in accordance with the following provisions:

- [x] 37 CFR § 1.97(b)(3) To the best of the undersigned's knowledge, before the mailing date of a first Office Action on the merits, No fee is required.

If it is determined that a fee is required as set forth in 37 CFR § 1.17(p) or 1.17(i)(1), or if any additional fees are required, please charge such fee (or credit any overpayment) to Deposit Account No. 02-4467. A duplicate copy of this document is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on April 2, 2001.


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Respectfully submitted,

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Form PTO-1449
(Rev. 11-97)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
20516 US (C38435/111694)SERIAL NO.
09/727,855APPLICANT
Tatsuo HOSHINO, et al.FILING DATE
December 1, 2000GROUP
1645INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	WO 94/06918	3/1994	PCT				
	B2	WO 97/23633	7/1997	PCT				
	B3	JP 10-248575	10/1998	Japan				
	B4	EP 0 769 551 A1	4/1997	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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C7	Martinez, C. et al., "Genetic transformation of astaxanthin mutants of <i>Phaffia rhodozyma</i> ," <i>Antonie van Leeuwenhoek</i> , Vol. 73, pp. 147-153 (1998)

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.